

# Receiving Report

Date: 12/10/12  
 Supplier: METAL-COSTUME

Batch No: 1123294  
 Dart P/O: 18063

Packing Slip: Yes ☒ No ☐  
 Invoice: Yes ☐ No ☒  
 Receipt: Cash ☐ Cr ☒

Release Note Attached: Yes ☒ No ☐ N/A ☐  
 Waybill Attached: Yes ☒ No ☐ N/A ☐  
 Shipment Complete: Yes ☒ No ☐ N/A ☐  
 QC6 Inspection: 2.00 12/10/12 N/A ☒  
 Work Order: \_\_\_\_\_

## Discrepancies

Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments
U01R	P.O. Pwr B.0					

Initials of receiver (if shipment OK) Level 12 GA

Production/Admin: 12/10/12  
 Date  
 Received/Costing  
 Initial

Location \_\_\_\_\_

## Purchase Order Receipt Listing

Friday, October 12, 2012 8:54:37 AM

All amounts are calculated in domestic currency.

All Vendors PO ID PO18067 All Receipt Dates All Line Item Types

All Vendors	All Rec. Employees	All Currencies
All Item ID/GL/WOs	All Rec. Employees	All Currencies

Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Rev Date/ Receiv Emp	Rev Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MARB Rejected Qty	Book Amt
VendorID\Vendor Name VC-MET001 Metaux Castlle											
PO18067	1		M174B1.250X02.000 f	f	10/15/2012 10/12/2012		24.3333	\$47.14	0.0000	0	\$1,147.13
CAD	No		17-4 SS Bar 1.250 x 2.00	f	24.0000 DESJ02			\$1,147.13	0.0000	0	
			123294								
	5		M303R1.000	f	10/15/2012 10/12/2012		24.3333	\$8.72	0.0000	0	\$212.10
	No		303 Round Bar 1.00	f	24.0000 DESJ02			\$212.10	0.0000	0	
			123294								
	7		M304R0.375	f	10/15/2012 10/12/2012		108.0000	\$1.41	0.0000	0	\$152.69
	No		304 ROUND BAR 0.375	f	108.0000 DESJ02			\$152.69	0.0000	0	
			123294								
	9		M6061T6R0.563	f	10/15/2012 10/12/2012		96.0000	\$2.67	0.0000	0	\$256.80
	No		6061-T6 ROUND BAR .563	f	96.0000 DESJ02			\$256.80	0.0000	0	
			123294								
<b>Total Received Quantity:</b>											252.6666
<b>Total Qty to Inspect (PO U/M):</b>											0.0000
<b>Total Reject Quantity:</b>											0.0000
<b>Total Receipt Value:</b>											\$1,768.73
<b>Total Balance Due Quantity:</b>											0.0000

<b>Total Received Quantity:</b>	252.6666
<b>Total Qty to Inspect (PO U/M):</b>	0.0000
<b>Total Reject Quantity:</b>	0.0000
<b>Total Receipt Value:</b>	\$1,768.73
<b>Total Receipt Quantity:</b>	0.0000



Castle Metals®

A. M. Castle & Co.

PACKING SLIP/  
CERTIFICATE OF CONFORMANCE

Page 1 of 1

Shipment No: 1498754

<b>Ship From:</b> A. M. Castle & Co. (Canada) Inc. MONTREAL 835-SELKIRK AVENUE POINTE CLAIRE, QUEBEC H9R 3S2		<b>Sold To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA		<b>Ship To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN		<b>Deliver To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	
<b>Date Shipped</b> 10-OCT-2012	<b>F.O.B.</b> ORIGIN	<b>Freight Terms</b> Prepaid	<b>Carrier</b> MANITOULIN	<b>BOL No</b> 1498754-2			

Final Destination Branch - MON

Shipment Details

<b>Order No</b> 2465306	<b>Line No</b> 1	<b>Item No</b> 9166	<b>Description</b> 1.2500.2.0000.FLAT.17CR-4NI.STAINLESS.HR.ANN.PICKLE.132.00 00-156.0000 SPECIFICATIONS: AMS 5643				
<b>Purchase Order No</b> 18067	<b>Part Number</b>		<b>Ordered Qty</b> 24.00 FT	<b>Invoice Qty</b> 24.3333 FT			
<b>Details</b>			<b>Mech Id</b>	<b>PCS</b>	<b>Width (IN)</b>	<b>Length (IN)</b>	<b>Shipped Qty(LBS)</b>
<b>Delivery No.</b> 118037287	<b>Mill</b> DUNKIRK SPECIALTY STEEL, LLC	<b>Heat Number</b> G17439		2		146.0000	206.8333

These commodities/technologies are subject to US Export Administration & US State Dept. Regulations and, if intended for export, were/are exported thereunder. Diversion contrary to US Law is Prohibited.

We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A.M. Castle & Co. within 60 days of the shipment. Material cut to the correct size, or material cut by the customer cannot be returned for credit.

Reviewed by Authorized Castle Metals Representative:

Date:

Name:

DA  
14  
89  
12/10/14



**Dunkirk Specialty Steel, LLC**  
A Universal Stainless & Alloy Products Company  
P.O. Box 319  
830 Brigham Rd.  
Dunkirk, NY 14048

Quality System Registered to  
ISO9001 and AS9100

### Material Certification

MILL ORDER: 0038518  
PART NUMBER: 9166  
P.O. NUMBER: 112940

P.O. DATE: 4/29/2011

PAGE NUMBER: 1 of 1

PRINTED: 9/28/11 07:14

S A. M. CASTLE & CO.  
O T 3400 N. WOLF ROAD  
L O  
D

FRANKLIN PARK, IL 60131-1394

S A.M. CASTLE & CO.  
H T 3400 NORTH WOLF ROAD  
I O  
P

FRANKLIN PARK, IL 60131

Material Description: STAINLESS STEEL FLAT BAR 17-4 EAF+AOD HOT ROLLED ANNEALED PICKLED ASME SA564 (630 condition A),  
UNS# S17400, Castle AMC 3174-43 Rev. 10, ASTM A564-10 (type 630 condition A), AMS 5643R,

Size: 1.2500 X 2.0000 X 132.0000 MIN/

156.0000 MAX RANDOM LENGTH

Heat Number	C	0.032	MN	0.86	SI	0.42	S	0.005	P	0.018
G17439	CR	15.62	W	<0.05	V	0.04	NI	4.21	MO	0.09
FNL	CO	<0.05	CU	3.24	SN	0.006	PB		CB	0.26
W%	TA	<0.01	AL	<0.01	TI	<0.01	FE		B	<0.001
	O		MG		CA		SE		ZR	
	AG		BI		N	0.030	H		CQ	

REDUCTION RATIO: 384:1

HARDNESS: 358 BHN

H900 CAP:	UTS/ KSI	.2%Y/S KSI	%EL	%R/A	HARDNESS
	204.8	180.6	14.6	44.0	405 BHN

MAGNETIC PARTICLE: F/S = 0/0

FERRITE: <5%

MICRO TEST: ACCEPTABLE

MACRO ETCH TEST: ACCEPTABLE

THIS MATERIAL WAS SOLUTION TREATED AT A MINIMUM TEMPERATURE OF  
1900°F FOR AN APPROPRIATE TIME FOLLOWED BY AIR COOLING

COUNTRY OF ORIGIN: USA

Castle Metals FP

HEAT NUMBER G17439  
MECHANICAL ID \_\_\_\_\_  
ITEM CODE 9166  
LOT NUMBER \_\_\_\_\_  
PO NUMBER 112940  
RECEIPT DATE 10/5/11  
SUPPLIER Dunkirk  
SPECIFICATION \_\_\_\_\_  
LCS NO  
COMMENT \_\_\_\_\_  
APPROVED BJS

/S/John M. Berry

/S/John M. Berry

09/28/11

Prepared by: John M. Berry, QA

John M. Berry, QA Technician

Date

Melted and manufactured in compliance with DFARS 252.225-7014 ALT.1. Melted by USAP in Bridgeville, PA., USA. Certification IAW DIN 50 049 / EN 10204 3.1. Material complies with EU directive 2002/95/EC (RoHS). The test results shown are certified to be a correct statement of records that were derived from testing samples of the material. Results meet applicable specifications. No welding was performed on the material supplied on this order. Material is free from mercury contamination. Material is of NAFTA origin. This material was produced under the Dunkirk Specialty Steel Quality Management System documented in QP Manual, Rev. 5 dated 7/1/2011, conforming to NCA-3800. Material testing was performed as applicable in accordance with ASTM A370, A604, E8, E10, E18, E23, E45, E112, E139, E381, E572, E1019, STP-CHEM-GDS, E1444, & AMS 2315. The recording of false, fictitious, or fraudulent statements on this document may be punished as a felony under federal statutes, including Federal Law, Title 18, Chapter 47. Test results are maintained in company records.

**Castle Metals®**

A. M. Castle &amp; Co.

PACKING SLIP/  
CERTIFICATE OF CONFORMANCE

Page 1 of 1

Shipment No: 1498754

<b>Ship From:</b> A. M. Castle & Co. (Canada) Inc. MONTREAL 835-SELKIRK AVENUE POINTE CLAIRE, QUEBEC H9R 3S2		<b>Sold To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA		<b>Ship To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN		<b>Deliver To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	
<b>Date Shipped</b> 10-OCT-2012	<b>F.O.B.</b> ORIGIN	<b>Freight Terms</b> Prepaid		<b>Carrier</b> MANITOU LIN	<b>BOL No</b> 1498754-2		

<b>Shipment Details</b>		<b>Final Destination Branch - MON</b>	
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<b>Order No</b> 2465306	<b>Line No</b> 2	<b>Item No</b> 4665	<b>Description</b> 1.0000.RD.303.STAINLESS.CF.ANN.132.0000-156.0000 SPECIFICATIONS: ASTM A582			
<b>Purchase Order No</b> 18067	<b>Part Number</b>		<b>Ordered Qty</b> 24.00 FT	<b>Invoice Qty</b> 24.3333 FT		
<b>Details</b>		<b>Mill</b> NORTH AMERICAN STAINLESS	<b>Heat Number</b> D2D7	<b>Mech Id</b> 2	<b>Width (IN)</b>	<b>Length (IN)</b> 146.0000
<b>Delivery No.</b> 118033215						<b>Shipped Qty(LBS)</b> 64.9700

These commodities/technologies are subject to US Export Administration & US State Dept. Regulations and, if intended for export, were/are exported thereunder. Diversion contrary to US Law is Prohibited.	
We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A.M. Castle & Co. within 60 days of the shipment. Material cut to the correct size, or material cut by the customer cannot be returned for credit.	
Reviewed by Authorized Castle Metals Representative:	Date: 12/10/14 Name:

Castle Metals FP

HEAT NUMBER D2D7  
MECHANICAL ID \_\_\_\_\_  
ITEM CODE 4665  
LOT NUMBER \_\_\_\_\_  
PO NUMBER 176924  
RECEIPT DATE 8-6-12  
SUPPLIER NAS  
SPECIFICATION \_\_\_\_\_  
LCS 10  
COMMENT \_\_\_\_\_  
APPROVED PL

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9-88 12/10/14



# METALLURGICAL TEST REPORT

**6870 Highway 42 East  
Ghent, KY 41045-9615  
(502) 347-6000**

**Date: 8/01/2012 Page: 1 of 1**

Ship To:  
A.W. CASTLE AND COMPANY  
3400 NORTH WOLF ROAD  
FRANKLIN PARK IL 60126

Mail To:  
A.M. CASTLE AND COMPANY  
1420 KENSINGTON ROAD-SUITE 220  
BAY BROOK IL 60523

**Certificate: 757901 17**

Steel: 303  
Finish: Cold Draw  
Dia/Thk: 1.0000 in  
Leg Length: 144.00 in  
Corrosion:

0032 001

**Free Order:** **IN 85477 2**

**Your Order: 176924**

Item Code: 4665

**Your Order: 176924**

**PRODUCT DESCRIPTION:**

## REMARKS:

COMPLIES W/REQUIREMENTS OF DEAF 252.225-7014A-1 EU DIRECTIVE 2002.95.EC.ROHS. HAWAII+CC. NO WELD REPAIR. WELDED AND MFG IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

Round Bar, Annealed, Cold Draw  
ASTM A592/95 EN 10204 3.1, ASTM A484/10  
AMS 5640U TYPE 1, QQS-764B CONDITION A  
TEMP 1900F MIN

Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight
BE76259	2504	BE76270	878				

Chemical Analysis per ASTM A751/08

[illegible]

# MECHANICAL PROPERTIES

1 d o i	HB No.	.2XS KSI	UTS KSI	RA %	Elong % 4D
BE76269	198.0	74.53	105.88	52.66	27.34
BE76270	198.0	74.55	105.88	52.66	27.34

DAS  
 14  
 9-89  
 12/10/14

**NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS**

**Technical  
Dept. Mgr.**

**STRICTLY CONFIDENTIAL**



Castle Metals®

A. M. Castle & Co.

PACKING SLIP/  
CERTIFICATE OF CONFORMANCE

Page 1 of 1

Shipment No: 1498754

<b>Ship From:</b> A. M. Castle & Co. (Canada) Inc. MONTREAL 835-SELKIRK AVENUE POINTE CLAIRE, QUEBEC H9R 3S2		<b>Sold To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA		<b>Ship To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN		<b>Deliver To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	
<b>Date Shipped</b> 10-OCT-2012	<b>F.O.B.</b> ORIGIN	<b>Freight Terms</b> Prepaid	<b>Carrier</b> MANITOULIN	<b>BOL No</b> 1498754-2			

<b>Shipment Details</b>		<b>Final Destination Branch - MON</b>	
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<b>Order No</b> 2465306	<b>Line No</b> 4	<b>Item No</b> 15043	<b>Description</b> 0.3750.RD.304/304L STAINLESS.CF.ANN.132.0000-156.0000 SPECIFICATIONS: ASTM A276				
<b>Purchase Order No</b> 18067	<b>Part Number</b>	<b>Ordered Qty</b> 108.00 FT	<b>Invoice Qty</b> 108.0000 FT				
<b>Details</b>		<b>Heat Number</b> D2H0	<b>Mech Id</b>	<b>PCS</b> 9	<b>Width (IN)</b>	<b>Length (IN)</b> 144.0000	<b>Shipped Qty(LBS)</b> 40.6080
<b>Delivery No.</b> 118034210	<b>Mill</b> NORTH AMERICAN STAINLESS						

These commodities/technologies are subject to US Export Administration & US State Dept. Regulations and, if intended for export, were/are exported thereunder. Diversion contrary to US Law is Prohibited.	
We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A.M. Castle & Co. within 60 days of the shipment. Material cut to the correct size, or material cut by the customer cannot be returned for credit.	
Reviewed by Authorized Castle Metals Representative:	Date: Name:

DAS  
14  
9.89  
12/10/14





NORTH AMERICAN  
STAINLESS

## METALLURGICAL TEST REPORT

6870 Highway 42 East  
Ghent, KY 41045-9615  
(502) 347-6000

Certificate: 759601 32 Mail To: Ship To: Date: 8/07/2012 Page: 1 Of 1  
A.M. CASTLE AND COMPANY A.M. CASTLE AND COMPANY Steel: 304/304L  
1420 KENSINGTON ROAD-SUITE 220 3400 NORTH WOLF ROAD Finish: Cold Draw  
OAK BROOK IL 60523 FRANKLIN PARK IL 60131 Dia/Tbk: .3750 in  
Customer: 0032 001 Leg length: 144.00 in  
NAS Order: LN 86655 2 Item Code: 15043 Corrosion: ASTM A262-10 Prac A/E OK  
Your Order: 181538

### PRODUCT DESCRIPTION:

ASTM A193/10a-ASME SA193/10 CL 1 GR B8  
GRAIN SIZE- 4-6  
ROUND BAR, Annealed, Cold Draw  
UNS 30400/30403 EN 10204 3.1, ASTM A484/10  
ASTM A276/10, ASTM A479/11, ASTM A182/10 CHEM ONLY,  
ASME SA479/10a, ASME SA182/10 CHEM ONLY  
AMS 5639H, AMS 5647J, AMS QCS-763B, QCS-763F  
SOLUTION ANNEAL TEMP 1900F MIN

### REMARKS:

COMPLIES W/REQUIREMENTS OF DPAF 252.225-7014A-1 NO DIRECTIVE  
2002.95.PC.ROHS. EAF+AOD+CC. NO WELD REPAIR. MELTED AND MFG  
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight
BE79178	2012								

### CHEMICAL ANALYSIS CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan)

Chemical Analysis per ASTM A751/08

Heat Supplier #	CM	C %	CO %	CR %	CU %	MM %	MO %	N %	NI %	P %	S %
D2H0	DS	.027	.14	18.18	.49	1.38	.34	.072	8.57	.032	.0200
SI %											
.37											

### MECHANICAL PROPERTIES

1 d	HB	.2YS	UTS	RA	Elong
o i	No.	KSI	KSI	%	% 2"
BE79178	R L	212.0	93.56	108.39	71.54
					40.25

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12/10/14  
2-89

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS

Technical  
Dept. Mgr.

ERIC HESS

Castle Metals FP

HEAT NUMBER D2H0  
MECHANICAL ID \_\_\_\_\_  
ITEM CODE 15043  
LOT NUMBER \_\_\_\_\_  
PO NUMBER 181538  
RECEIPT DATE 8/10/12  
SUPPLIER NAS  
SPECIFICATION \_\_\_\_\_  
LCS NO  
COMMENT \_\_\_\_\_  
APPROVED BS

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12/10/14



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CERTIFICATE OF CONFORMANCE

A. M. Castle & Co.

Page 1 of 1

Shipment No: 1498754

<b>Ship From:</b> A. M. Castle & Co. (Canada) Inc. MONTREAL 835-SELKIRK AVENUE POINTE CLAIRE, QUEBEC H9R 3S2		<b>Sold To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA		<b>Ship To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN		<b>Deliver To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	
<b>Date Shipped</b> 10-OCT-2012	<b>F.O.B.</b> ORIGIN	<b>Freight Terms</b> Prepaid	<b>Carrier</b> MANITOULIN	<b>BOL No</b> 1498754-2			

Final Destination Branch - MON

Shipment Details

<b>Order No</b> 2465306	<b>Line No</b> 6	<b>Item No</b> 26852	<b>Description</b> 0.5625.RD.6061.T651.ALUMINUM.CF.144.0000 SPECIFICATIONS: ASTM B211					
<b>Purchase Order No</b> 18067	<b>Part Number</b>	<b>Ordered Qty</b> 96.00 FT	<b>Invoice Qty</b> 96.0000 FT					
<b>Details</b>	<b>Delivery No.</b> 118037320	<b>Mill</b> KAISER ALUMINUM	<b>Heat Number</b> 10031575	<b>Mech Id</b>	<b>PCS</b> 8	<b>Width (IN)</b>	<b>Length (IN)</b> 144.0000	<b>Shipped Qty(LBS)</b> 27.9360

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Reviewed by Authorized Castle Metals Representative:

Date: Name:

8-14-08

12/10/14

8 Rows - 5625

12/10/14

Castle Metals Fp

HEAT NUMBER

100-315-75

MECHANICAL ID

26852

ITEM CODE

LOT NUMBER

PO NUMBER

RECEIPT DATE

SUPPLIER

SPECIFICATION

LCS

COMMENT

APPROVED

128974

8.30.2011

KRAUSE

AD

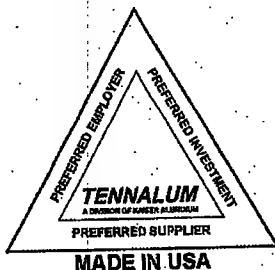
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9-89

12/10/14

# KAISER ALUMINUM FABRICATED PRODUCTS

Tennalum  
309 Industrial Drive  
Jackson, TN 38301  
731-423-2811



**CERTIFIED TEST REPORT**  
<http://Certs.KaiserAluminum.com>

## Miscellaneous Notes

Made in USA

This material was melted and manufactured in the USA. Mercury is not a normal contaminant in aluminum alloys. Neither mercury nor any of its compounds were utilized by Kaiser Aluminum in the manufacture of this material. AS9100B:2004 This material meets the requirements of T6 temper and of QQ-A-225/8E (CANCELLED). NAFTA - YES. Material complies with FAR BAA (FAR 52.225-1, Buy American Act-Supplies), DFARS BAA (DFARS 252.225-7001 Buy American Act & Bal of Payments Prog), and FAR TAA (FAR 52.225-5 Trade Agreements) Material is RoHS compliant.

## Castle Metals FP

HEAT NUMBER \_\_\_\_\_  
M. MECHANICAL ID \_\_\_\_\_  
ITEM CODE \_\_\_\_\_  
LOT NUMBER \_\_\_\_\_  
BIN NUMBER \_\_\_\_\_  
RECEIPT DATE \_\_\_\_\_  
SUPPLIER \_\_\_\_\_  
SPECIFICATION \_\_\_\_\_  
LCS \_\_\_\_\_  
COMMENT \_\_\_\_\_  
APPROVED \_\_\_\_\_

## CERTIFICATION

Kaiser Aluminum & Chemical Corporation ("Kaiser") hereby certifies that the metal shipped under this order has been inspected and tested and found in conformance with the applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

John Rennekamp, Quality Manager

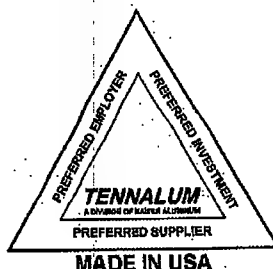
Plant Serial: 160182

Kaiser Order Number: 672799

Line Item: 1

# KAISER ALUMINUM FABRICATED PRODUCTS

Tennalum  
309 Industrial Drive  
Jackson, TN 38301  
731-423-2811



**CERTIFIED TEST REPORT**  
<http://Certs.KaiserAluminum.com>

CUSTOMER PO NUMBER: 128974-1		CUSTOMER PART NUMBER: 26852		PRODUCT DESCRIPTION: Cold Finished Round	
KAISER ORDER NUMBER: 672799	LINE ITEM: 1	SHIP DATE: 08/29/2011	ALLOY: 6061	TEMPER: T651	
WEIGHT SHIPPED: 504 lbs.	QUANTITY: 144 pcs.	B/L NUMBER: 32848	DIAM/DAF/THKNS: 0.5625 in.	WIDTH: 0.000 in.	LENGTH: 144.0 in.
SHIP TO: A M Castle & Co AM Castle & Co. 3400 No. Wolf Road Franklin Park, IL 60131 USA			SOLD TO: A M Castle & Co 1420 Kensington Road Suite 220 Oak Brook, IL 60523 USA		

Test Code: 1000 AC

## Actual Physical Properties

Lot Number	LONG. UTS ksi	LONG. YTS ksi	LONG. ELONG. %
10031575	48.9	44.6	20.0
	48.8	44.4	22.0
	51.5	47.3	20.5
	51.5	47.3	21.0

## Chemical Composition, WT. % (Aluminum Remainder)

	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	OTHERS EACH	OTHERS TOTAL	Lot
Actual	0.70	0.3	0.28	0.00	1.0	0.11	0.02	0.01			10031575
Max	0.8	0.7	0.40	0.15	1.2	0.35	0.25	0.15	0.05	0.15	
Min	0.40		0.15		0.8	0.04					

## Specifications

Standard: ISO 9001, ASTM B211-03, AMS 4117J, AMS-QQ-A-225/8A Non-Standard: A96061-02-16

DAS  
14  
2-89 12/10/14

## CERTIFICATION

Kaiser Aluminum & Chemical Corporation ("Kaiser") hereby certifies that the metal shipped under this order has been inspected and tested and found in conformance with the applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

John Rennekamp, Quality Manager

*John Rennekamp*

Plant Serial: 160182

Kaiser Order Number: 672799

Line Item: 1



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO18067

Purchase Order Date 10/03/12

PO Print Date 10/04/12

Page Number 1 of 4

Order From :

VC-MET001

METAUX CASTLE  
A.M. CASTLE & CO. (CANADA) INC. - C/O 910720  
P.O. BOX 4090 STN A  
TORONTO, ON M5W OE9  
CA

Contact Name

Vendor Phone 514 694 9575

Vendor Fax 514 695 3281

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

123294

Ship To :

DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**FAXED**  
10/04/12

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	M174B1.250X02.000 050	17-4 SS Bar 1.250 x 2.00	10/15/12 Yes	24.00 f	Yours ppd	\$46.3500	\$1,112.40
Special Inst:			MATERIAL: 17-4 PH SS BAR AS PER . AMS 5604/5643 GRAIN MUST BE ALONG LENGTH OF BAR MINIMUM YIELD TENDILE STRENGTH = 100 KSI MINIMUM ULTIMATE TENSILE STRENGTH = 150 KSI				
2	M174PH-H900R1.000	17-4SS H900 ROUND BAR 1.00	10/15/12 Yes	36.00 f	Yours ppd	\$10.0700	\$362.52

**MATERIAL CERTIFICATION  
REQ'D UPON DELIVERY**

No substitution or deviation without  
consent.  
Certificate of Conformity or Material  
Certification required ☒ YES ☐ NO

Change Nbr: 2

Change Date: 10/04/12



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO18067**

Purchase Order Date 10/03/12

PO Print Date 10/04/12

Page Number 2 of 4

**Order From :**

VC-MET001

METAUX CASTLE  
A.M. CASTLE & CO. (CANADA) INC. - C/O 910720  
P.O. BOX 4090 STN A  
TORONTO, ON M5W OE9  
CA

**Contact Name**

**Vendor Phone** 514 694 9575

**Vendor Fax** 514 695 3281

**Vendor Account Nbr**

**Buyer**

Chantal Lavoie

**Requisition Nbr**

**Tax Resale Nbr**

10127-2607

**Terms**

Net 30

**Currency**

CAD

**FOB**

Destination-Collect

**Special Inst:** MATERIAL: 17-4 PH COND. H900  
AS PER AMS 5643

NOTE:  
PLEASE SHIP MATERIAL TO METCOR  
INC.  
560 BOULV. ARTHUR SAUVE  
SAINT-EUSTACHE, QC  
J7R-5A8  
450-473-1884

3 M174PH-H900R1.375

17-4 SS H900 ROUND  
BAR 1.375

10/15/12

36.00 Yours ppd

\$16.4600

\$592.56

Yes

f

**Special Inst:** MATERIAL: 17-4 PH COND. H900  
AS PER AMS 5643

NOTE:  
PLEASE SHIP MATERIAL TO METCOR  
INC.  
560 BOULV. ARTHUR SAUVE  
SAINT-EUSTACHE, QC  
J7R-5A8  
450-473-1884

4 M303R0.750

303 Round Bar 0.750

10/15/12

200.00 Yours ppd

\$3.6800

\$736.00

Yes

f

**Special Inst:** MATERIAL: AISI 303 SS ROUND BAR AS  
PER ASTM A582  
NOTE: AISI 304/316 NOT ACCEPTABLE

**MATERIAL CERTIFICATION  
REQ'D UPON DELIVERY**

No substitution or deviation without  
consent.

Certificate of Conformity or Material  
Certification required - YES NO

Change Nbr: 2

Change Date: 10/04/12





Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO18067**

Purchase Order Date 10/03/12

PO Print Date 10/04/12

Page Number 3 of 4

Order From : VC-MET001

METAUX CASTLE  
A.M. CASTLE & CO. (CANADA) INC. - C/O 910720  
P.O. BOX 4090 STN A  
TORONTO, ON M5W OE9  
CA

Contact Name  
Vendor Phone 514 694 9575  
Vendor Fax 514 695 3281  
Vendor Account Nbr

Buyer Chantal Lavoie  
Requisition Nbr  
Tax Resale Nbr 10127-2607  
Terms Net 30  
Currency CAD  
FOB Destination-Collect

5	M303R1.000 028	303 Round Bar 1.00	10/15/12 Yes	24.00 f	Yours ppd	\$8.5700	\$205.68
Special Inst: MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582 NOTE: AISI 304/316 NOT ACCEPTABLE							
6	M304B0.250X4.000	304 BAR .250 x 4.00	10/15/12 Yes	24.00 f	Yours ppd	\$17.2400	\$413.76
Special Inst: MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE AS PER ASTM A276 OR ASTM A240 NOTE: AISI 303 NOT ACCEPTABLE							
7	M304R0.375 029	304 ROUND BAR 0.375	10/15/12 Yes	108.00 f	Yours ppd	\$1.3900	\$150.12
Special Inst: MATERIAL: MATERIAL: 304/316 SS ROUND BAR AS PER ASTM A276 NOTE: AISI 303 NOT ACCEPTABLE							
8	M304R1.000	304 round bar 1.00	10/15/12 Yes	36.00 f	Yours ppd	\$7.7200	\$277.92
Special Inst: MATERIAL: MATERIAL: 304/316 SS ROUND BAR AS PER ASTM A276 NOTE: AISI 303 NOT ACCEPTABLE							

**MATERIAL CERTIFICATION  
REQ'D UPON DELIVERY**

No substitution or deviation without  
consent.

Certificate of Conformity or Material  
Certification required **YES** NO

Change Nbr: 2

Change Date: 10/04/12



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO18067

Purchase Order Date 10/03/12

PO Print Date 10/04/12

Page Number 4 of 4

Order From :		VC-MET001	
METAUX CASTLE A.M. CASTLE & CO. (CANADA) INC. - C/O 910720 P.O. BOX 4090 STN A TORONTO, ON M5W OE9 CA			
Contact Name		Buyer	Chantal Lavoie
Vendor Phone	514 694 9575	Requisition Nbr	
Vendor Fax	514 695 3281	Tax Resale Nbr	10127-2607
Vendor Account Nbr		Terms	Net 30
		Currency	CAD
		FOB	Destination-Collect

9	M6061T6R0.563	6061-T6 ROUND BAR .563	10/15/12	96.00	Yours ppd	\$2.6300	\$252.48
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013

Yes

f *[Signature]*

Special Inst: 6061-T6 (OR 6061-T651/ T6510/ T6511/  
T62) ROUND BAR  
QQ-A-225/8 OR AMS-QQ-A-225/8 OR  
(AMS 4117/4128/4115/4116)  
OR QQ-A-200/8OR AMS-QQ-A-200/8 )OR  
AMS 4160)  
OR ASTM B211 OR ASTM B221

PO Total: \$4,103.44

MATERIAL CERTIFICATION  
REQ'D UPON DELIVERY

Change Nbr: 2	Change Date: 10/04/12	<p>No substitution or deviation without consent. Certificate of Conformity or Material Certification required - YES NO</p> <p><i>[Signature]</i></p>
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